ABSTRACT OF THE DISCLOSURE

A luneberg lens, which is configured by combining a plurality of lens parts, has a problem on keeping of a combined condition of lens parts and securement of good moisture prevention, and displacement of lens parts not only becomes a cause of cost-up but also has a bad influence on an electric performance, and furthermore, intrusion of moisture and humidity deteriorates an electric performance, and therefore, these problems are solved by a simple and inexpensive method.

A lens portion 2, which is configured by combining lens parts of spherical core and spherical shell-like resin foams, is configured by a luneberg lens which is sealed by a synthetic resin film 3 which is formed along a surface of that lens portion 2 and in which a thickness is 100μm or less and of which own relative dielectric constant is higher than a relative dielectric constant of the outermost layer of the above-mentioned lens portion.